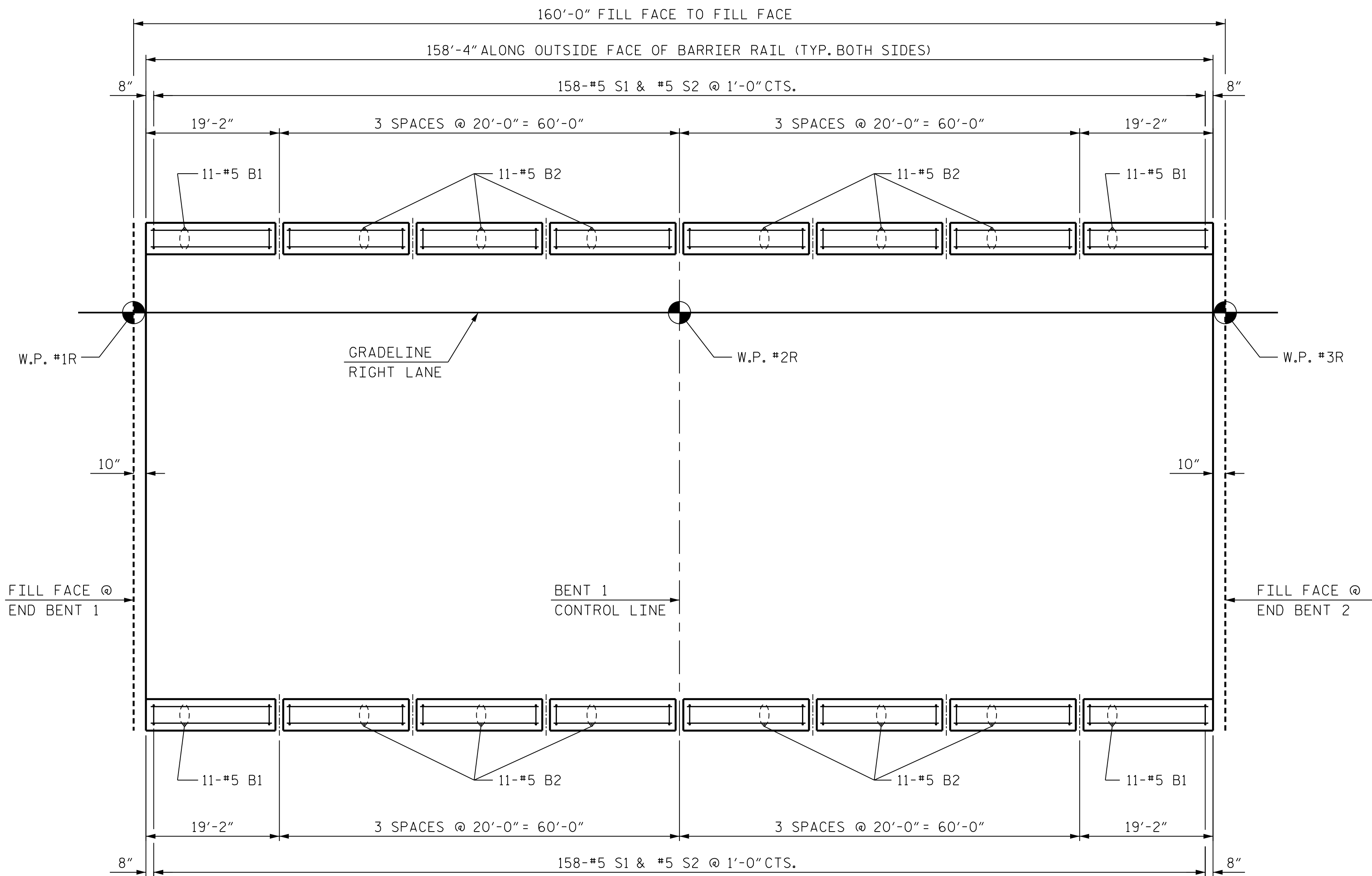


G:\CKE Projects\CKE_R2514B Onslow Jones Co\Structures\Site 3\R-2514B_SD_03_CBR_01.dgn
1/27/2015 8:36:57 AM CKE_R2514B_PDF_fullplotcfgR2514B_str.tbl



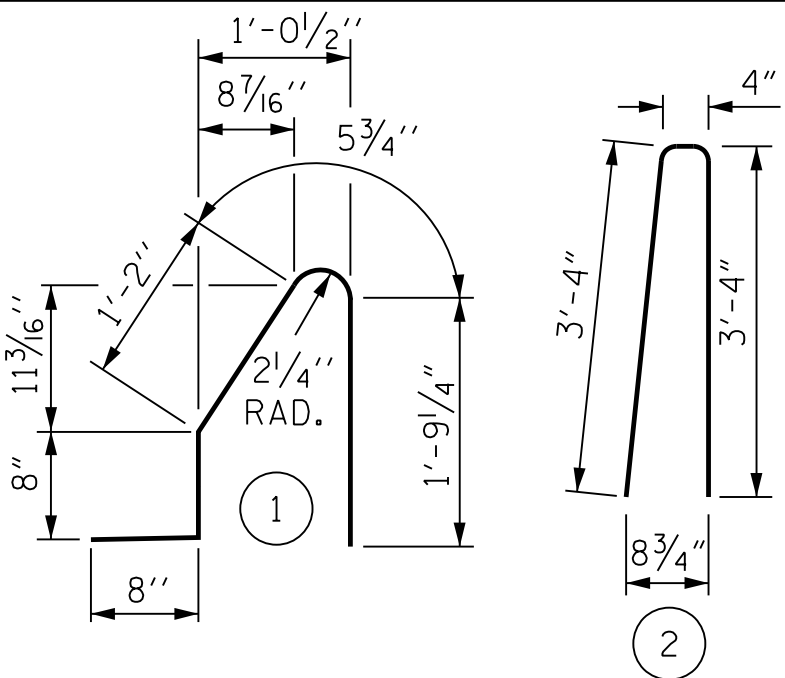
NOTES

THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS, THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

BAR TYPES



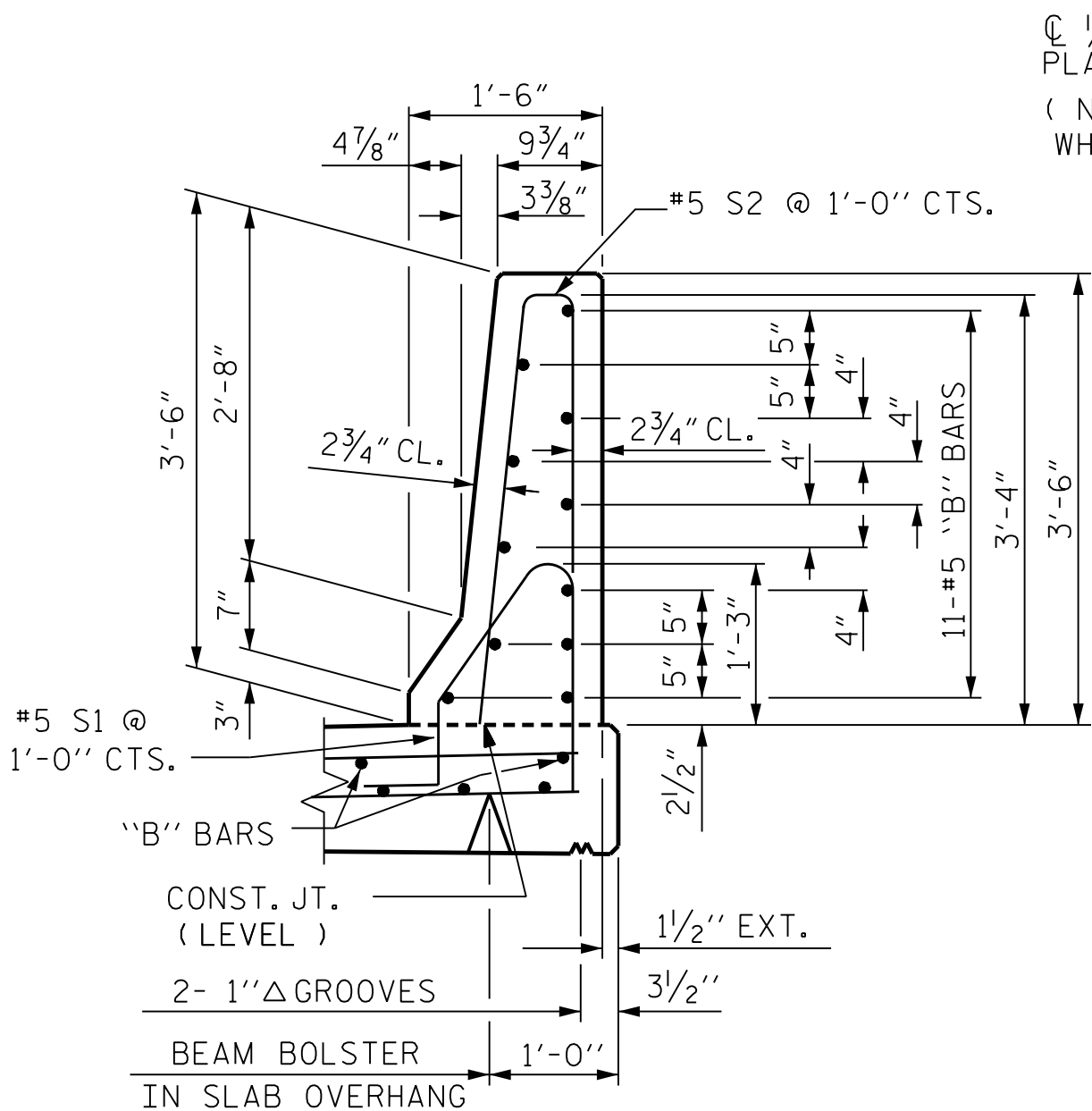
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

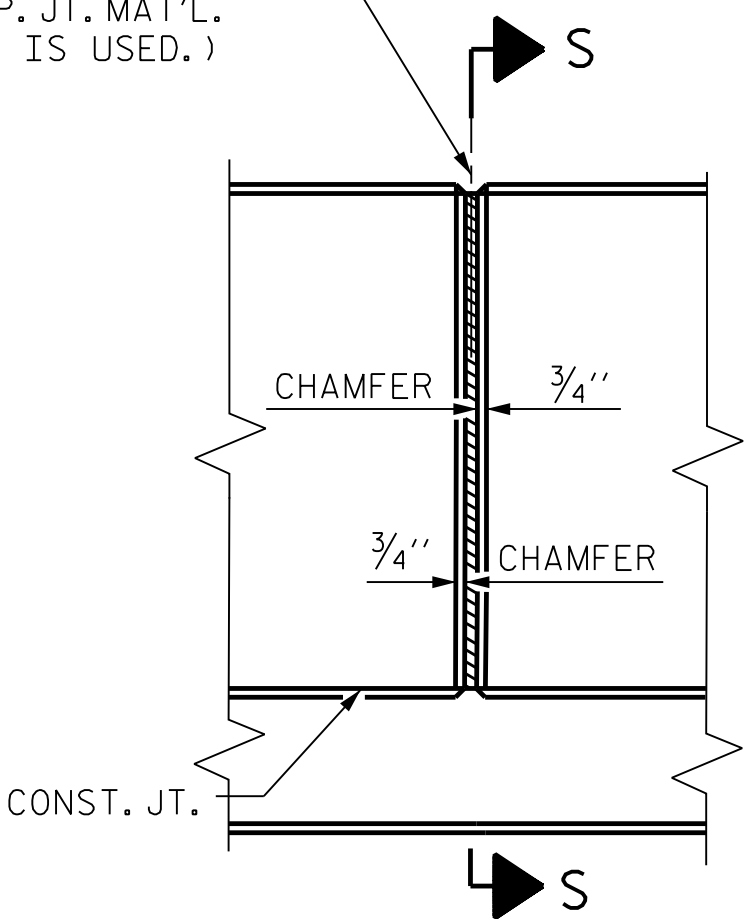
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* S1	316	#5	1	4'-9"	1,566
* S2	316	#5	2	7'-0"	2,307
* B1	44	#5	STR	19'-6"	895
* B2	132	#5	STR	18'-9"	2,581

* EPOXY COATED REINFORCING STEEL	7,349 LBS.
CLASS AA CONCRETE	43.1 CU. YDS.
CONCRETE BARRIER RAIL	316.7 LIN. FT.

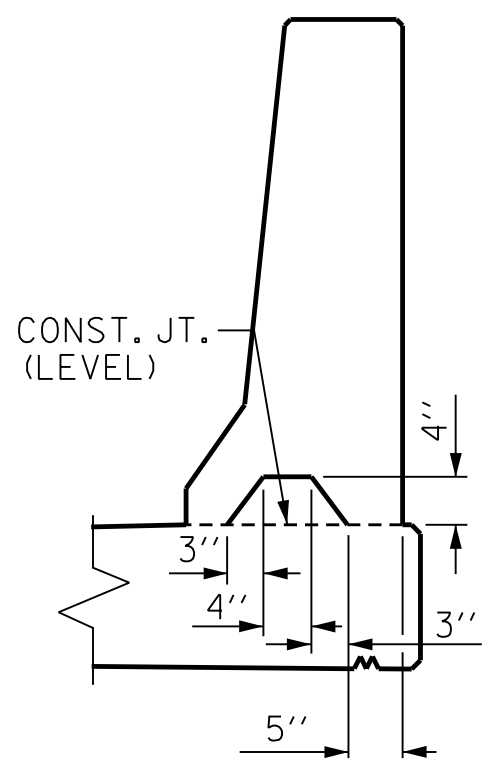


SECTION THRU RAIL

@ 1/2" EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS.
(NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED.)



ELEVATION AT EXPANSION JOINTS

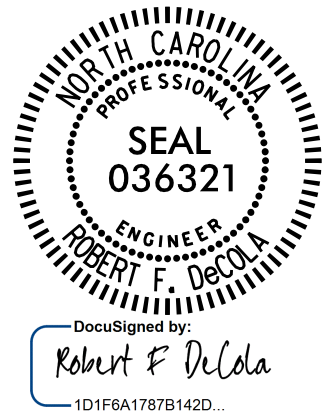


SECTION S-S

AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

BARRIER RAIL DETAILS

PROJECT NO. R-2514B
ONslow COUNTY
STATION: 147+95.00 -L-



1/27/2015

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
CONCRETE
BARRIER RAIL
(RIGHT LANE)

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			S3-19
2			4			TOTAL SHEETS 34

ASSEMBLED BY : R. KNIGHT	DATE : 12/13
CHECKED BY : R. DECOLA	DATE : 05/14
DESIGN ENGINEER OF RECORD : R. DECOLA	DATE : 10/14
DRAWN BY : ARB 5/87	REV. 10/1/11 MAA/GM
CHECKED BY : SJD 9/87	REV. 7/12 MAA/GM
	REV. 6/13 MAA/GM



The LOUIS BERGER GROUP, Inc.
1001 Wade Avenue, Suite 400
Raleigh, NC 27605-3322
NC COA No. F-0840

STD. NO. CBR1 STR. #3